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metrica de DIMENSIONE FIGURARUM, Authore Davide Gregorio, in Academia Edinburgenſi Matheſeos Profeſſore. Edinburgi in 4°. 1684. II. I. L' Art de Tailler les Arbres Fruitiers; & un Trait de L'uſage des Fruits des Arbres, à Paris in 12. 1683.

A further account of the Bridg at Pont St. Eſprit, whereof before, Numb. 160. together with a parallel Hiſtory of ſome other Bridges at Rome: In a Letter from the ingenious Mr. Tankred Robinſon to Dr. Martin Liſter.

SINCE my laſt concerning the *Bridge at Pont St. Eſprit*, I have found ſomething more in that kind for your further diverſion; I doe not doubt but you ſtill retain a freſh *Idea* of the ſtately ruins of the *Modern Bridge at Avignon*, which hath yielded in many places to the extreme rapidity, and violence of the *Rhofne*. Its fall in my opinion may be aſcrib'd to three defects; firſt, it was not ſo *Multangular*, as that at *St. Eſprit*: Secondly, it wanted in 3 or 4 places, the little Arches dividing the feet of the great ones, and in thoſe parts it hath ſuffe'r'd moſt; for where thoſe uſeful fluces are, there I obſerv'd the bridge to ſtand ſtill the moſt entire. Thirdly, the *Pedeſtals* (or as you very properly call them, *Horizontal Arches*) were not ſo *Geometrically* and exactly laid, as thoſe of *Pont St. Eſprit*, their jettings out were few, and they not gradually contracted, ſo that the force of the ſtream muſt be the greater upon the Fabrick.

Now that we are upon this ſort of *Hiſtory*, I will venture to carry you from the *Rhofne* to the *Tyber*, which, though not ſo ſwift as the *Rhofne*, yet is ſubject to greater inundations, as many inſcriptions aſſure us. No *River*
ever.

ever had so many *bridges* built with that magnificence and art, as this ; and though they were more pompous, and rich in rare stones, in Sculpture, &c. than that I formerly sent you a draught of from *Montpelier* ; yet they had the like provision for their security, and preservation, and their design was much the same ; which may be seen at *Rome* this very day in the old *Pons Milvius* (now *Ponte nolle*) near the *via Flaminia* ; in the marble remains of the *Pons Æmilius* (repair'd with rich materials by *Antoninus Pius*) on the side of the *Ripa*, or *Traffevere*, near the root of the *Aventine* hill, where first the *Pons Sublicius* stood ; as also in the *Pons Fabritius* and the *Cestius*, that leads over to the *Insula Tiberina* ; in all which there are still very fair marks of the old *Roman* structure, and design ; and if that prodigious City had not been knock't so often to peices by barbarous Sackers, we might have had still as clear proofs from the other bridges ; *viz.* The *Pons Triumphalis*, the *Senatorius*, &c. But *Gothish*, and *Northern torrents* broke all before them.

I have here, *Sir*, according to your commands, drawn up in writing those thoughts, which I mentioned the other day to you ; So I rest,

S I R,

Your very Humble Servant

TAN. ROBINSON.